

GTCAAGGAAGAGGTACCTGGTGTCCATCAAGGTGCAGTCGGCCGGCATGACCAGTG
AGGTGGTTGAAGATAGCACCATCACCATGATAGACCGCCCGCCTCAACCGCCTCCA
CACATCCGTGTGAATGAAAAGGATGTGCTAATCAGCAAATCTCCATCAACCTTA
GTCAACTGCAGCTGGTCAGCGACACCAACGGAGCGGTTGGGTACTTGCTGTGGTG
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TTCCTACCTGGAGTACAGACACAAACGCCTCCATCCGAGTCTACCAGACCAATTATT
TGCCAGCAAATGTGCTGAAAGTCCCAGCAGCAGTTCTAAAAGTTCAACATTAAGCT
TGGAGCAGAGATGGACAGCCTCGGTGGCAAATGTGATCCCAGTCAGCAGAAATTCT
GTGATGGACCGCTGTTGCCACACACCGCCTACAGAACATCAGCATCCGGCTTTACAC
AGCTATTGACGAGGACTTGAAAGAGTTCACCAAACCTCTACTCGGATACGTTCT
TCTCTATGCCCATCACCACAGAGTCAGAGCCCTGTTGGAGTTATTGAAGGTGTGA
GTGCTGGCCTGTTCTAATTGGCATGCTGGTGGCCCTGTTGCCTCTTCATCTGCAG
ACAGAAAGCTAGCCACAGCAGGGAAAGGCCATCTGCCGGCTCAGCATTGCTAGGG
ACCGGCCTTGTCTGTCCATCTGAATCTGGGCCAGAAAGGCAACCGAAAACCTCTT
GCCCTATAAGATCAATCAGTTGAAGGGCATTCTATGAAGCTGCAGGCAGACTCC
AACTACCTTCTATCCAAGGAATATGAGGACTTAAAGACGTGGGTAGAAGCCAGTC
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GCCTTATGATGCCCTCAAGAGTGAAGCTCTCGAATGTCGATGACGACCCTGCTCTGA
CTACATCAACGCCAGCTACATCCCCGGTAACAACCTCAGACGAGAACATCGCCA
CTCAGGGACCGCTCCAGGCACCAAGGATGACTCTGGAAGATGGCGTGGGAGCAG
AACGTTACAACATCGTCATGGTGACCCAGTGTGTTGAAAAGGGCCGAGTGAAGTG
TGACCAATTACTGGCCAGCAGAACAGGACCCCTACTACGGTGATCTCATCCTACA
GATGGTCTGGAGTCCGTGCTCCCCGAGTGGACCATCAGGGAGTTAAGATATGCAG
TGAAGAACAGTTGGATGCACACAGACTCATCCGTCACTTCACTACACGGTGTGGCC
AGACCATGGGGTCCCAGAGACCACCCAGTCCCTGATCCAATTGTGAGGACAGTCA
GGGACTACATCAACAGAACAGCCCCGGGCTGGGCCCTCCGTAGTGCAGCGCT
GGTGTGGCAGAACAGGGACGTTCGTTGCCCTGGACCGGATCCTCCAGCAGTTGGA
CTCTAAGGACTCCGTGGACATTATGGGGCAGTGCATGACCTAACAGACTCCACAGGGT
TCACATGGTCCAGACCGAGTGTCAATATGTGTATCTGCATCAGTGTGAAGAGACGT
CTCAGAGCAAAGAAACTGCGGAAACGAGCAAGAGAACAGGGGTGTTGATTATG
AGAATGTGAATCAGAGTATCACAGAGATGCAATCTACTCGAGACATTAAGAATT
(SEQ ID NO:1)

FIGURE 1

underlined = deleted in targeting construct

[] = sequence flanking Neo insert in targeting construct

[GTCAAGGAAGAGGTACCTGGTGTCCATCAAGGTGCAGTCG] GCCGGCATGACCAGTGAGGT
GGTTGAAGATAGCACCATCACCATGATAGACCGCCGCCTCAACCGCCTCCACACATCCG
TGTGAATGAAAAGGATGTGCTAATCAGCAAATCTCCATCAACTTACTGTCAACTGCAG
CTGGTTCAGCGACACCAACGGAGCGGTTGGGTACTTGCTGTGGTGGTGAGAGAGGCCGA
CAGCAT [GGATGAGTTGAAGCCAGAACAGCAGCACCCCTCTCCCTTACCTGGAGTACAG
ACACAACGCCTCCATCCGAGTCTACCAGACCAATTATTTGCCAGCAAATGTGCTGAAAG
TCCCGACAGCAGTTCTAAAAGTTCAACATTAAGCTGGAGCAGAGATGGACAGCCTCGG
TGGCAAATGTGATCCCAGTCAGCAGAAATTCTGTGATGGACCGCTGTGCCACACACCGC
CTACAG] AATCAGCATCCGGCTTTACACAGCTATTGACGGAGACTGAAAGAGTTCAC
CAAACCTCTACTCGGATACGTTCTCTATGCCCATCACCACAGAGTCAGAGCCCTT
GTTTGGAGTTATTGAAGGTGTGAGTGTGCTGGCTGTTCTAATTGGCATGCTGGTGGCCCT
TGTTGCCTTCTTCATCTGCAGACAGAAAGCTAGCCACAGCAGGGAAAGGCCATCTGCCCG
GCTCAGCATTCTAGGGACCGGCCTTGTCTGTCCATCTGAATCTGGCCAGAAAGGCAA
CCGGAAAACCTCTTGCCTTAAAGATCAATCAGTTGAAGGGCATTCTATGAAGCTGCA
GGCAGACTCCAACACTACCTTCTATCCAAGGAATATGAGGACTAAAAGACGTGGTAGAAG
CCAGTCATGTGACATTGCCCTCTTGCCTGAGAATCGAGGGAAAATCGATAACAACAT
ATTGCCCTATGATGCCCTCAAGAGTGAAGCTCTGAATGTCGATGACGACCCCTGCTCTGA
CTACATCAACGCCAGCTACATCCCCGTAACAACACTCAGACGAGAATACATGCCACTCA
GGGACCGCTTCCAGGCACCAAGGATGACTCTGGAAAGATGGCGTGGGAGCAGAACGTTCA
CAACATCGTATGGTGAACCGAGTGTGTTGAAAGGGCCAGTGAAGTGTGACCATTACTG
GCCAGCAGACCAAGGACCCCTCTACTACGGTGTCTCATCAGATGGTCTCGGAGTC
CGTGTCCCCGAGTGGACCATCAGGGAGTTAAGATATGCACTGAAGAACAGTTGGATGC
ACACAGACTCATCCGTACTTCACTACACGGTGTGGCCAGACCATGGGTCCAGAGAC
CACCCAGTCCCTGATCCAATTGTGAGGACAGTCAGGGACTACATCAACAGAACGCCCG
GGCTGGGCCCTCCGTAGTGCAGTCAGCGCTGGTGTGGCAGAACAGGGACGTTCGTTGC
CCTGGACCGGATCCCTCAGCAGTTGGACTCTAAGGACTCCGTGGACATTATGGGCAGT
GCATGACCTAAGACTCCACAGGGTTCACATGGTCAGACCGAGTGTCAATATGTGTATCT
GCATCAGTGTGTAAGAGACGTCTCAGAGCAAAGAAACTGCGAACAGAGCAAGAGAAAGG
GGGTGTTCGATTATGAGAATGTGAATCAGAGTATCACAGAGATGCAATCTACTCGAGA
CATTAAGAATTCA

FIGURE 2A

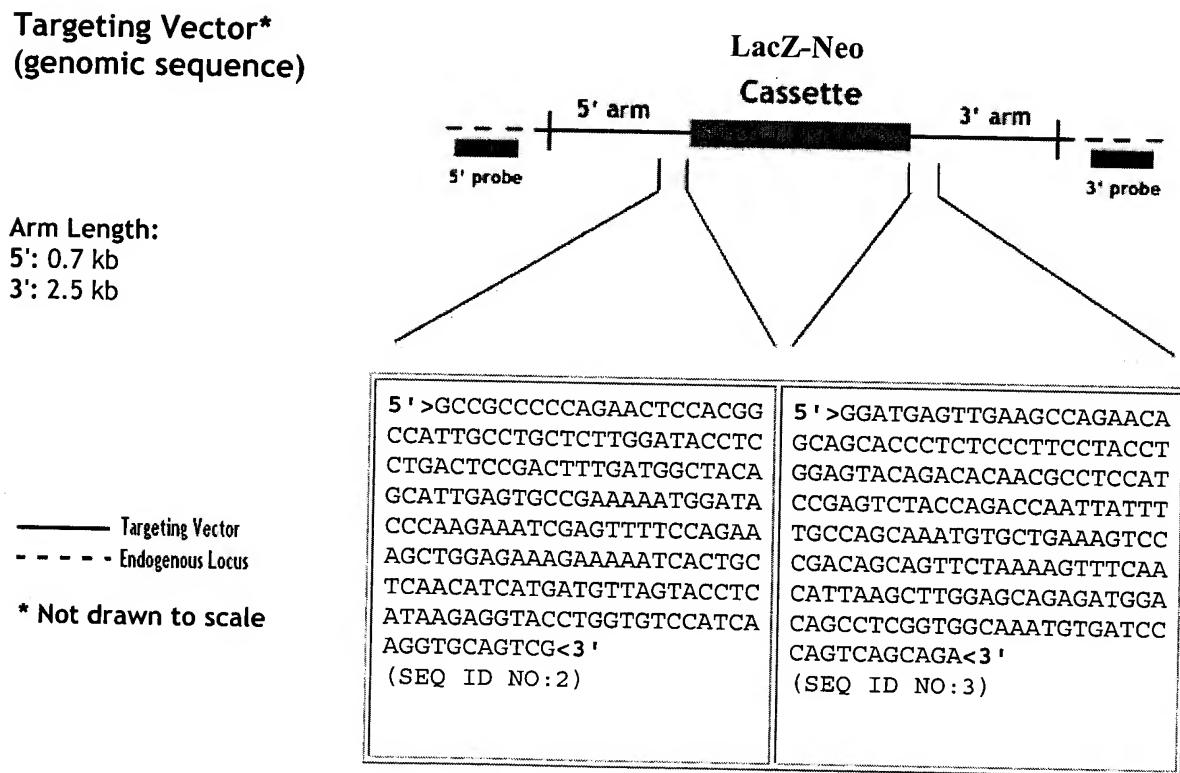
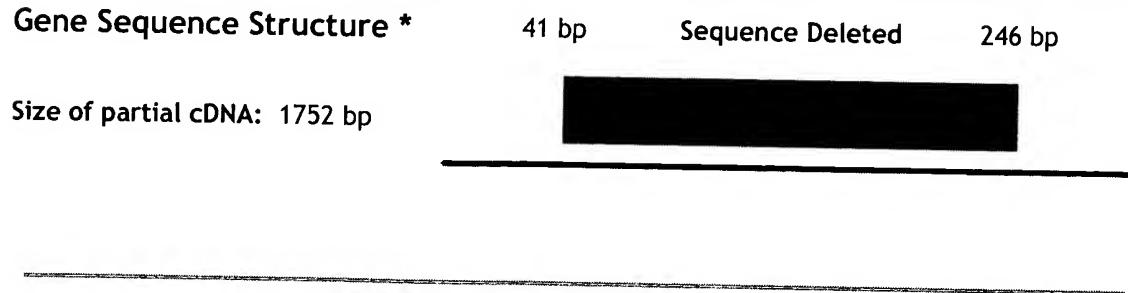


FIGURE 2B